

Refine Search

Search Results -

Terms	Documents
L12 and navigation.clm.	8

Database:

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Search:

L13

Search History

DATE: Friday, November 18, 2005 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

<u>L13</u>	L12 and navigation.clm.	8	<u>L13</u>
<u>L12</u>	L10 and (cross\$ with (data or information))	41	<u>L12</u>
<u>L11</u>	L10 and "cross information"	0	<u>L11</u>
<u>L10</u>	L8 and (time with extract\$)	250	<u>L10</u>
<u>L9</u>	L8 and "passing point information"	2	<u>L9</u>
<u>L8</u>	701/200-202;382/113,305.ccls.	3085	<u>L8</u>
<u>L7</u>	L6 and (time same extract\$)	1	<u>L7</u>
<u>L6</u>	6148090.pn.	1	<u>L6</u>
<u>L5</u>	L3 and "passing point information"	1	<u>L5</u>
<u>L4</u>	L3 and "cross information"	0	<u>L4</u>
<u>L3</u>	L2 and @ad<=20030107	16	<u>L3</u>
<u>L2</u>	narioka and navigation	18	<u>L2</u>
<u>L1</u>	6418090.pn. or 20040036622	2	<u>L1</u>

Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 20050165543 A1

Using default format because multiple data bases are involved.

L13: Entry 1 of 8

File: PGPB

Jul 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050165543

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050165543 A1

TITLE: Display method and apparatus for navigation system incorporating time difference at destination

PUBLICATION-DATE: July 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yokota, Tatsuo	Torrance	CA	US

US-CL-CURRENT: 701/204; 340/995.1, 701/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 6366852 B2

L13: Entry 2 of 8

File: USPT

Apr 2, 2002

US-PAT-NO: 6366852

DOCUMENT-IDENTIFIER: US 6366852 B2

TITLE: Navigation device

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 6347278 B1

L13: Entry 3 of 8

File: USPT

Feb 12, 2002

US-PAT-NO: 6347278

DOCUMENT-IDENTIFIER: US 6347278 B1

TITLE: Mobile terminal and a server for navigation system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 4. Document ID: US 6148090 A

L13: Entry 4 of 8

File: USPT

Nov 14, 2000

US-PAT-NO: 6148090

DOCUMENT-IDENTIFIER: US 6148090 A

TITLE: Apparatus and method for providing map information in image form

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 5. Document ID: US 6144318 A

L13: Entry 5 of 8

File: USPT

Nov 7, 2000

US-PAT-NO: 6144318

DOCUMENT-IDENTIFIER: US 6144318 A

TITLE: Navigation system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 6. Document ID: US 6128571 A

L13: Entry 6 of 8

File: USPT

Oct 3, 2000

US-PAT-NO: 6128571

DOCUMENT-IDENTIFIER: US 6128571 A

TITLE: Vehicle navigation system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 7. Document ID: US 6009374 A

L13: Entry 7 of 8

File: USPT

Dec 28, 1999

US-PAT-NO: 6009374

DOCUMENT-IDENTIFIER: US 6009374 A

TITLE: Apparatus for and method of controlling vehicular systems while travelling

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 8. Document ID: US 5938718 A

L13: Entry 8 of 8

File: USPT

Aug 17, 1999

US-PAT-NO: 5938718

DOCUMENT-IDENTIFIER: US 5938718 A

TITLE: Vehicular navigation system providing direction data

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms

Documents

L12 and navigation.clm.

8

Display Format:[Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

End of Result Set

☐ [Generate Collection](#) [Print](#)

L9: Entry 2 of 2

File: USPT

Aug 31, 1999

US-PAT-NO: 5944768

DOCUMENT-IDENTIFIER: US 5944768 A

**** See image for Certificate of Correction ****

TITLE: Navigation system

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ito; Yasunobu	Okazaki			JP
Nimura; Mitsuhiro	Okazaki			JP
Hayashida; Kihachi	Anjo			JP
Hayashi; Seiji	Anjo			JP
Hayashi; Chihiro	Kariya			JP

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Aisin AW Co., Ltd.				JP	03

APPL-NO: 08/740534 [PALM]

DATE FILED: October 30, 1996

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	7-281780	October 30, 1995
JP	7-286110	November 2, 1995
JP	7-337992	November 30, 1995

INT-CL: [06] G01 C 21/00, G08 G 1/0968

US-CL-ISSUED: 701/200; 701/201, 701/208, 340/990, 369/32

US-CL-CURRENT: 701/200; 340/990, 701/201, 701/208

FIELD-OF-SEARCH: 701/200, 701/201, 701/208, 701/209, 701/210, 701/212, 369/21, 369/29, 369/30, 369/32, 369/33, 340/990

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected](#)[Search ALL](#)[Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4954959</u>	September 1990	Moroto et al.	701/211
<input type="checkbox"/> <u>5157614</u>	October 1992	Kashiwazaki et al.	701/200
<input type="checkbox"/> <u>5463605</u>	October 1995	Nishida et al.	369/58
<input type="checkbox"/> <u>5515284</u>	May 1996	Abe	701/202
<input type="checkbox"/> <u>5544087</u>	August 1996	Nakajima et al.	701/200
<input type="checkbox"/> <u>5608635</u>	March 1997	Tamai	701/209
<input type="checkbox"/> <u>5614895</u>	March 1997	Ohomori et al.	340/995
<input type="checkbox"/> <u>5633842</u>	May 1997	Nishida et al.	369/32
<input type="checkbox"/> <u>5790975</u>	August 1998	Kashiwazaki et al.	701/208

ART-UNIT: 361

PRIMARY-EXAMINER: Nguyen; Tan

ATTY-AGENT-FIRM: Lorusso & Loud

ABSTRACT:

A vehicular navigation system includes: a current position detection unit for detecting the current position of the vehicle; an information storage unit for storing map information for conducting route searching and for providing route guidance; an input unit for inputting a destination and inputting instructions for executing a search of the map information for a route from the current position detected by the current position detection unit to the destination; an output unit for outputting information for route guidance; and a central processing unit for temporarily memorizing a route detected by the route search and for outputting a signal to the output unit to provide route guidance according to the memorized route. The central processing unit judges whether or not one information storage unit has been replaced by another and, when replaced, if the destination has not been reached, conducts another route search from the current position to the destination.

7 Claims, 45 Drawing figures

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)